



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

10/820,474
JFWO
11/5/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS.

<http://www.uspto.gov/web/offices/pac/checker/chknote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses.

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)

2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):

U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/820,474

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ **Wrapped Nucleics**
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 ☒ **Misaligned Amino Numbering** The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 ☐ **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 ☐ **Variable Length** Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing
- 6 ☐ **PatentIn 2.0 "bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 ☐ **Skipped Sequences (OLD RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences.
- 8 ☐ **Skipped Sequences (NEW RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
<210> sequence id number
<400> sequence id number
000
- 9 ☐ **Use of n's or Xaa's (NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 ☐ **Invalid <213> Response** Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence.
- 11 ☐ **Use of <220>** Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 00/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ **PatentIn 2.0 "bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 ☐ **Misuse of n/Xaa** "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid.



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/820,474

DATE: 11/05/2004

TIME: 13:53:02

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\11052004\J820474.raw

6 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
 7 LAL, Preeti
 8 TANG, Y. Tom
 9 GORGONE, Gina A.
 10 CORLEY, Neil C.
 11 GUEGLER, Karl J.
 12 BAUGHN, Mariah R.
 13 AKERBLOM, Ingrid E.
 14 AU-YOUNG, Janice
 15 YUE, Henry
 16 PATTERSON, Chandra
 17 REDDY, Roopa
 18 HILLMAN, Jennifer L.
 19 BANDMAN, Olga
 21 <120> TITLE OF INVENTION: HUMAN SIGNAL PEPTIDE-CONTAINING PROTEINS
 23 <130> FILE REFERENCE: PF-0541 PCT
 C--> 25 <140> CURRENT APPLICATION NUMBER: US/10/820,474
 C--> 26 <141> CURRENT FILING DATE: 2004-04-07
 28 <150> PRIOR APPLICATION NUMBER: 60/090,762; 60/094,983; 60/102,686; 60/112,129
 W--> 29 <151> PRIOR FILING DATE: 1998-06-26; 1998-07-31; 1998-10-01; 1998-12-11
 31 <160> NUMBER OF SEQ ID NOS: 268
 33 <170> SOFTWARE: PERL Program

Does Not Comply
 Corrected Diskette Needed
 (pg. 1-3)

ERRORED SEQUENCES

928 <210> SEQ ID NO: 29
 929 <211> LENGTH: 133
 930 <212> TYPE: PRT
 931 <213> ORGANISM: Homo sapiens
 933 <220> FEATURE:
 934 <221> NAME/KEY: misc feature
 935 <223> OTHER INFORMATION: Incyte Clone No: 1861434
 937 <400> SEQUENCE: 29
 938 Met Arg Met Ser Leu Ala Gln Arg Val Leu Leu Thr Trp Leu Phe
 E--> 939 ¹² ⁵⁸ ¹⁰²⁰ ¹⁵¹⁵
 940 Thr Leu Leu Phe Leu Ile Met Leu Val Leu Lys Leu Asp Glu Lys
 941 20 25 30
 942 Ala Pro Trp Asn Trp Phe Leu Ile Phe Ile Pro Val Trp Ile Phe
 943 35 40 45
 944 Asp Thr Ile Leu Leu Val Leu Leu Ile Val Lys Met Ala Gly Arg
 945 50 55 60
 946 Cys Lys Ser Gly Phe Asp Pro Arg His Gly Ser His Asn Ile Lys

✓ p/s see
 item #
 3 on
 error
 summary
 sheets

RAW SEQUENCE LISTING

DATE: 11/05/2004

PATENT APPLICATION: US/10/820,474

TIME: 13:53:02

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\11052004\J820474.raw

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947          65          70          75
948 Lys Lys Ala Trp Tyr Leu Ile Ala Met Leu Leu Lys Leu Ala Phe
949          80          85          90
950 Cys Leu Ala Leu Cys Ala Lys Leu Glu Gln Phe Thr Thr Met Asn
951          95          100          105
952 Leu Ser Tyr Val Phe Ile Pro Leu Trp Ala Leu Leu Ala Gly Ala
953          110          115          120
954 Leu Thr Glu Leu Gly Tyr Asn Val Phe Phe Val Arg Asp
955          125          130
9405 <210> SEQ ID NO: 268
9406 <211> LENGTH: 1025
9407 <212> TYPE: DNA
9408 <213> ORGANISM: Homo sapiens
9410 <220> FEATURE:
9411 <221> NAME/KEY: misc_feature
9412 <223> OTHER INFORMATION: Incyte Clone No: 3222081
9414 <400> SEQUENCE: 268
9415 gtcttcgag ctactcgcgc tggccccgcc tttctctcgc tctcctgaac ctttaggctt 60
9416 gtctcggccc atttgaagac caggaagttg atcaatcccg aggctgctga gagacggtgg 120
9417 cgcgattggg acagtcgcca gggatggctg agcgtgaaga tgcagcgggt gtccgggctg 180
9418 ctctcctgga cgctgagcag agtctgtggg ctctccggcc tctctgagcc gggagctgcc 240
9419 cggcagcccc ggatcatgga agagaaagcg ctagaggttt atgatttgat tagaactatc 300
9420 cgggacccag aaaagcccaa tactttagaa gaactggaag tggctcggga aagtgtgtgtg 360
9421 gaagttcagg agataaatga agaagaatat ctggttatta tcaggttcac gccaacagta 420
9422 cctcattgct ctttggcgac tcttattggg ctgtgcttaa gagtaaaact tcagcgatgt 480
9423 ttaccattta aacataagtt ggaaatctac atttctgaag gaaccactc aacagaagaa 540
9424 gacatcaata agcagataaa tgacaaagag cgagtggcag ctgcaatgga aaacccaac 600
9425 ttacgggaaa ttgtggaaca gtgtgtcctt gaacctgact gatagctgtt ttaagagcca 660
9426 ctggcctgta attgtttgat atatttgttt aaactctttg tataatgtca gagactcatg 720
9427 ttttaatacat aggtgatttg tacctcagag ctttttttaa aggattcttt ccaagcgaga 780
9428 ttttaattata aggtagtacc taatttggtc aatgtataac attctcagga tttgtaacac 840
9429 ttaaagatgc agacagaata atattttcta gttattatgt gtaagatgag ttgctatgtt 900
9430 tctgatgctc attctgatac aactattttt cgtgtcaa atctactgtg cccaaatgta 960
9431 ctcaatttaa atcattactc tgtaaaataa ataagcagat gattcttata atgaaaaaaa 1020
9432 aaaaaa 1025

```

E--> 9435 1

delete

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

VERIFICATION SUMMARY

DATE: 11/05/2004

PATENT APPLICATION: US/10/820,474

TIME: 13:53:04

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\11052004\J820474.raw

L:25 M:270 C: Current Application Number differs, Replaced Current Application Number
L:26 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:29 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:939 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:29
L:5176 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:136
L:5185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136 after pos.:0
L:5231 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:138
L:5247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:138 after pos.:480
M:341 Repeated in SeqNo=138
L:5292 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:140
L:5309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140 after pos.:540
M:341 Repeated in SeqNo=140
L:5479 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:145
L:5504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:960
L:5969 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:159
L:5985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:159 after pos.:420
L:6580 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:178
L:6589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178 after pos.:0
M:341 Repeated in SeqNo=178
L:6825 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:186
L:6866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:186 after pos.:1920
L:7942 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:225
L:7959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:225 after pos.:480
L:8357 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:239
L:8368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:239 after pos.:120
L:8522 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:244
L:8558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:244 after pos.:1620
L:9435 M:254 E: No. of Bases conflict, this line has no nucleotides. ✓